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TRANSMITTAL LETTER  
INFORMATION DISCLOSURE STATEMENT  
PTO-1449  
REFERENCES



PAPER:

INVENTOR: JOUNG et al.

SERIAL NO.: 09/858,852

FILING DATE: May 16, 2001

RECEIVED BY THE UNITED STATES PATENT AND TRADEMARK OFFICE

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

JOUNG et al.

Serial No.: 09/858,852

Art Unit: 1645

Filing Date: May 16, 2001

Examiner: Steven Post

Title: METHODS AND COMPOSITIONS FOR INTERACTION TRAP ASSAYS

**TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is an Information Disclosure Statement, including a Form PTO-1449 and copies of the cited references. It is believed that no fee is due.

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 which may be required by this paper, or to credit any overpayment, to Deposit Account No. 18-1648.

Respectfully submitted,

Date: 16 Sept 02

By: Dahna S. Pasternak  
Dahna S. Pasternak  
Registration No. 41,411

ROBINS & PASTERNAK LLP  
545 Middlefield Road, Suite 180  
Menlo Park, CA 94025  
Telephone: (650) 325-7812  
Facsimile: (650) 325-7823

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**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The information listed on the attached PTO-1449 forms may be material to the examination of the above-identified application. Copies of the information and completed PTO-1449 forms are submitted herewith. The Examiner is respectfully requested to make this information of official record in the application.

This Information Disclosure Statement under 37 CFR § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Respectfully submitted,

Date: 16 Sept 02

By: [Signature]  
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Registration No. 41,411

ROBINS & PASTERNAK LLP  
545 Middlefield Road, Ste 180  
Menlo Park, CA 94025  
Telephone: 650-325-7812  
Facsimile: 650-325-7823

COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

FORM PTO-1449 (Modified)  
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In the Application of JOUNG et al.

Serial No.: 09/858,852

Art Unit: 1645

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Title: METHODS AND COMPOSITIONS FOR INTERACTION TRAP ASSAYS

U.S. PATENT DOCUMENTS

| Exam. Init. | Ref. Desig. | Document No.    | Date             | Name         | Class | Sub Class | Filing Date |
|-------------|-------------|-----------------|------------------|--------------|-------|-----------|-------------|
|             | AA-1        | 5,580,736       | December 3, 1996 | Brent et al. |       |           |             |
|             | AB-1        | 5,925,523       | July 20, 1999    | Dove et al.  |       |           |             |
|             | AC-1        | 2002/00/061,512 | May 23, 2002     | Kim et al.   |       |           |             |

FOREIGN PATENT DOCUMENTS

| Exam. Init. | Ref. Desig. | Document No. | Publication Date | Country or Patent Office | Class | Sub Class | Translation YES | NO |
|-------------|-------------|--------------|------------------|--------------------------|-------|-----------|-----------------|----|
|             | AD-1        | WO 99/14319  | March 25, 1999   | PCT                      |       |           |                 |    |
|             | AE-1        | WO 99/28744  | June 10, 1999    | PCT                      |       |           |                 |    |
|             | AF-1        | WO 99/28745  | June 10, 1999    | PCT                      |       |           |                 |    |
|             | AG-1        | WO 99/31509  | June 24, 1999    | PCT                      |       |           |                 |    |
|             | AH-1        | WO 01/60970  | August 23, 2001  | PCT                      |       |           |                 |    |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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Serial No.: 09/858,852

Art Unit: 1645

Filed: May 16, 2001

Examiner: Steven Post

Title: METHODS AND COMPOSITIONS FOR INTERACTION TRAP ASSAYS

| Exam. Init. | Ref. Desig. | Description   |
|-------------|-------------|---|
|             | AI-1        | Allen et al., "Finding Prospective Partners in the Library: The Two-Hybrid System and Phage Display Find a Match," <i>Trends Biol. Sci</i> <u>20</u> :511-516 (1995)                              |
|             | AJ-1        | Brent et al., "A Eukaryotic Transcriptional Activator Bearing the DNA Specificity of a Prokaryotic Repressor," <i>Cell</i> <u>43</u> :729-736 (1985)  |
|             | AK-1        | Chien et al., "The Two-Hybrid System: A Method to Identify and Clone Genes for Proteins that Interact with a Protein of Interest," <i>PNAS</i> <u>88</u> :9578-9582 (1991)                        |
|             | AL-1        | Durfee et al., "The Retinoblastoma Protein Associates With the Protein Phosphatase Type 1 Catalytic Subunit," <i>Genes &amp; Development</i> <u>7</u> :555-569 (1993)                             |
|             | AM-1        | Grossel et al., "A Yeast Two-Hybrid System for Discerning Differential Interactions Using Multiple Baits," <i>Nature Biotechnology</i> <u>17</u> :1232-1233 (1999)                                |
|             | AN-1        | Gyuris et al., "Cdi1, a Human G1 and S Phase Protein Phosphatase That Associates with Cdk2," <i>Cell</i> <u>75</u> :791-803 (1993)  |
|             | AO-1        | Huang et al., "A Permutational Approach Toward Protein-DNA Recognition," <i>PNAS</i> <u>91</u> :3969-3973 (1994)  |
|             | AP-1        | Joung et al., "A Bacterial Two-Hybrid Selection System for Studying Protein-DNA and Protein-Protein Interactions," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>97</u> :7382-7387 (2000)               |
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|             | AR-1        | Keegan et al., "Separation of DNA Binding from the Transcription-Activating Function of Eukaryotic Regulatory Protein," <i>Science</i> <u>231</u> :699-704 (1986)                                 |

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| Exam. Init. | Ref. Desig. | Description   |
|-------------|-------------|---|
|             | AS-1        | Ma et al., "Converting a Eukaryotic Transcriptional Inhibitor into an Activator," <i>Cell</i> <u>55</u> :443-446  |
|             | AT-1        | Phizicky et al., "Protein-Protein Interactions: Methods for Detection and Analysis," <i>Microbiol. Rev.</i> <u>59</u> :94-123 (1995)                                  |
|             | AU-1        | Rebar et al., "Phage Display Methods for Selecting Zinc Finger Proteins with Novel DNA-Binding Specificities," <i>Methods Enzymol.</i> <u>267</u> :129-149 (1996)     |
|             | AV-1        | Sera and Schultz, " <i>In Vivo</i> Selection of Basic Region-Leucine Zipper Proteins with Altered DNA-Binding Specificities," <i>PNAS</i> <u>93</u> :2920-2925 (1996) |
|             | AW-1        | Serebriiskii et al., "A Two-Hybrid Dual Bait System to Discriminate Specificity of Protein Interactions," <i>J. Biol Chem.</i> <u>274</u> :17,080-17,087 (1999)       |
|             | AX-1        | Smith et al., "Phage Display," <i>Chem. Rev.</i> <u>97</u> :391-410 (1997)  |
|             | AY-1        | Uetz et al., "A Comprehensive Analysis of Protein-Protein Interactions in <i>Saccharomyces Cerevisiae</i> ," <i>Nature</i> <u>403</u> :623-627 (2000)                 |
|             | AZ-1        | Vojtek et al., "Mammalian Ras Interacts Directly With the Serine/Threonine Kinase Raf," <i>Cell</i> <u>74</u> :205-214 (1993)   |
|             | BA-1        | Walhout et al., "Protein Interaction Mapping in <i>C. elegans</i> Using Proteins Involved in Vulval Development," <i>Science</i> <u>287</u> :116-122 (2000)           |

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